

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	03/17/2016 03/17/2016	Sterling York

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2035_01_s _ 2013_3				
Comment Code					
Inspector Comment					
The LMA stated that they keep a copy of the O&M manuals on hand at the district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2035_01_s _ 2013_4				
Comment Code					
Inspector Comment					
The district has emergency supplies and equipment on hand at their district office.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2035_01_s _ 2013_5				
Comment Code					
Inspector Comment					
The LMA plans on attending DWR Flood Fight training class this fall.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Cache Creek Settling Basin	Right	2.01	03/17/2016 03/17/2016	Sterling York

LM Start	0.01	Rating **	M	Issue No.	15
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677385 °	38.677184 °
				-121.709742 °	-121.673108 °
DWR ID	DWR_RD2035_01_s _ 2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_238_15_20160321_00014.jpg



View of vegetation on landside looking downstream.

LM Start	0.01	Rating **	U	Issue No.	14
LM End	1.52	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677385 °	38.677228 °
				-121.709741 °	-121.681743 °
DWR ID	DWR_RD2035_01_s _ 2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_238_14_20160321_00015.jpg



View of vegetation on crown looking downstream.

LM Start	0.01	Rating **	M	Issue No.	12
LM End	1.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677385 °	38.677184 °
				-121.709741 °	-121.673108 °
DWR ID	DWR_RD2035_01_s _ 2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_238_12_20160321_00016.jpg



View of vegetation on waterside looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	03/17/2016 03/17/2016	Sterling York

LM Start	0.03	Rating **	A/W	Issue No.	11
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.677347 °	38.677175 °
				-121.709285 °	-121.672945 °
DWR ID	DWR_RD2035_01_f_2013_11				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					
Discing on the waterward slope can lead to erosion.					

Photo 1 of 1 : SP_2016_RD2035_238_11_20160307_00003.jpg



This photo was taken from the levee crown facing east looking at discing on the waterward slope. Fall 2013.

LM Start	1.11	Rating **	M	Issue No.	10
LM End	1.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.677271 °	38.677271 °
				-121.689434 °	-121.689434 °
DWR ID	DWR_RD2035_01_f_2015_10				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Ruts on crown could be caused by collapsed rodent holes.					

Photo 1 of 1 : SP_2016_RD2035_238_10_20160307_00002.jpg



View of the ruts that may be caused by collapsed rodent holes on the crown of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	03/17/2016 03/17/2016	Sterling York

LM Start	0.10	Rating **	M	Issue No.	16
LM End	0.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.675761 °	38.675761 °
				-121.672347 °	-121.672347 °
DWR ID	DWR_RD2035_02_f_2015_16				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_239_16_20160307_00003.jpg



View of the crown of the levee looking downstream. Fall 2015.

LM Start	0.14	Rating **	M	Issue No.	15
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.675177 °	38.649967 °
				-121.672235 °	-121.667134 °
DWR ID	DWR_RD2035_02_s_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_239_15_20160321_00023.jpg



View of vegetation on landside looking downstream.

LM Start	0.14	Rating **	M	Issue No.	20
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.675177 °	38.649967 °
				-121.672235 °	-121.667134 °
DWR ID	DWR_RD2035_02_s_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_239_20_20160321_00024.jpg



View of vegetation on the waterside looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	03/17/2016 03/17/2016	Sterling York

LM Start	0.28	Rating **	M	Issue No.	1
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.673229 °	38.672069 °
				-121.671732 °	-121.671516 °
DWR ID	DWR_RD2035_02_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Slumping of the lower toe. New slumped section on downstream end. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_0-1_R]					

No Photos

LM Start	0.74	Rating **	M	Issue No.	17
LM End	0.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.666603 °	38.666603 °
				-121.670547 °	-121.670547 °
DWR ID	DWR_RD2035_02_f_2015_17				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_239_17_20160307_00004.jpg



View of the crown of the levee looking downstream. Fall 2015.

LM Start	1.15	Rating **	M	Issue No.	18
LM End	1.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.660686 °	38.660686 °
				-121.669370 °	-121.669370 °
DWR ID	DWR_RD2035_02_f_2015_18				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_239_18_20160321_00025.jpg



View of ruts/depression in crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	03/17/2016 03/17/2016	Sterling York

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.660050 °	38.659465 °
				-121.669028 °	-121.668940 °
DWR ID	DWR_RD2035_02_s _ 2016_2				
Comment Code					
Inspector Comment					
2011 - Small sections of slumping, likely from wind wave. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_1-2_R]					

No Photos

LM Start	1.98	Rating **	M	Issue No.	4
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.648881 °	38.648178 °
				-121.666653 °	-121.666385 °
DWR ID	DWR_RD2035_02_s _ 2016_4				
Comment Code					
Inspector Comment					
2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Small sections of slumping lower bank, just downstream of bank rock. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-0_R]					

No Photos

LM Start	2.26	Rating **	M	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.645319 °	38.640997 °
				-121.665089 °	-121.661878 °
DWR ID	DWR_RD2035_02_s _ 2016_5				
Comment Code					
Inspector Comment					
2011 - Erosion from wind waves along entire length of the levee toe. Several sections of slumping bank along the toe. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-3_R]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	03/17/2016 03/17/2016	Sterling York

LM Start	2.78	Rating **	M	Issue No.	6
LM End	3.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.638731 °	38.632783 °
				-121.660247 °	-121.655864 °
DWR ID	DWR_RD2035_02_s _ 2016_6				
Comment Code					
Inspector Comment					
2011 - Wave wash erosion and several sections of slumming bank along the toe. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-8_R]					

No Photos

LM Start	4.09	Rating **	M	Issue No.	7
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.622224 °	38.618302 °
				-121.648201 °	-121.645296 °
DWR ID	DWR_RD2035_02_s _ 2016_7				
Comment Code					
Inspector Comment					
2006 - Wave wash erosion and some saturation slumping occurring. Several small scallops present in lower levee slope/toe due to saturation slumping. Tension/separation cracks evident in fine-grained levee slope materials. 2011 - Small pockets of erosion throughout the site. Site formerly called 3.8. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_4-2_R]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	03/17/2016 03/17/2016	Sterling York

LM Start	5.81	Rating **	A/W	Issue No.	19
LM End	5.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.600462 °	38.600462 °
				-121.632705 °	-121.632705 °
DWR ID	DWR_RD2035_02_f_2015_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Recommend getting rid of arundo.					

Photo 1 of 1 : SP_2016_RD2035_239_19_20160307_00005.jpg



View of the arundo at the toe of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	03/17/2016 03/17/2016	Sterling York

LM Start	1.63	Rating **	M	Issue No.	7
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.591247 °	38.590805 °
				-121.648895 °	-121.665149 °
DWR ID	DWR_RD2035_03_s_2016_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.63	Rating **	M	Issue No.	6
LM End	2.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.591246 °	38.590805 °
				-121.648896 °	-121.665149 °
DWR ID	DWR_RD2035_03_s_2016_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_RD2035_240_6_20160321_00016.jpg



view of vegetation on waterside looking downstream.

LM Start	1.90	Rating **	C	Issue No.	9
LM End	1.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.591098 °	38.591098 °
				-121.653948 °	-121.653948 °
DWR ID	DWR_RD2035_03_f_2015_9				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	03/17/2016 03/17/2016	Sterling York

LM Start	2.18	Rating **	C	Issue No.	10
LM End	2.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		38.590934 °	38.590912 °	
			-121.659034 °	-121.659638 °	
DWR ID	DWR_RD2035_03_f_2015_10				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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